

1-29 3021

Specifications for All Terrain Vehicle

Gasoline powered, AWD, all terrain vehicle, crew cab (6 passengers),

GENERAL INFORMATION

Length:	145 in. / 386 cm
Width (cargo box):	60 in. / 152.4
Width (tires)	58 in. / 147.3 cm
Height:	76 in. / 193 cm
Wheel Base:	108 in. / 193 cm
Ground clearance:	12 in. / 30.5 cm
Turning radius:	255 in. / 648 cm
Dry weight:	1515 lbs. / 687 kg
Cargo box type:	Manual dump, lock and ride
Cargo box capacity:	1000 lbs. / 454 kg
Cargo box dimensions:	36.5 x 54 x 11.5 in / 93 x 137 x 29 cm
Vehicle payload (includes weight of passengers, cargo, and accessories)	1750 lbs / 794 kg
Receiver type:	Standard 2 in receiver
Hitch towing capacity:	2000 lbs / 907 kg
Hitch tongue capacity:	150 lbs / 60 kg
Color:	Green

ENGINE

Platform:	Gasoline, domestic twin cylinder, liquid cooled, 4-stroke, electronic fuel injection (EFI), 40 HP
Engine Displacement:	760 cc High Output (H.O.)
Number of cylinders:	2
Bore and stroke (mm):	80 x 76.5 mm
Compression ratio:	9.78:1
Compression pressure:	165 – 185 psi
Engine idle speed:	1250 + or – 100 RPM
Lubrication:	Pressurized wet sump
Oil requirements:	PS-4 plus
Oil capacity:	2 US quarts (1.9 L)
Coolant capacity:	6.4 US quarts (6 L)
Overheat warning:	Instrument cluster indicator
Exhaust system:	2 in 1 canister style

FUEL SYSTEM

Fuel system type:	Bosch M17 EFI or equivalent
Fuel delivery :	Electronic fuel pump (in tank)
Fuel pressure:	45 + or – 2 psi (310 + or – 14 kPa)

Fuel capacity: 9 US gallons (34 L)
Fuel requirement: 87 Octane minimum

ELECTRICAL

Alternator maximum output: 500 watts @ 3000 rpm
Headlights: 2 – halogen: Low 55W / High 60W
Tail lights: 0,3 watts / L.E.D. x 2
Brake lights: 3.1 watts / L.E.D. x 2
Starting system: Electric start
Ignition system: Bosch M17 (ECU controlled) or equivalent
Ignition timing: Variable; 3 – 10 degree BTDC @ 1200 rpm
Spark plug / Gap: RC7YC3 / .035 in. (0.9 mm) or equivalent
Battery / Model / Amp Hr.: Yuasa YB30L-B / 30 amp hr / 12 volt or equivalent
Instrumentation: Multifunction instrument cluster
DC outlets: (2) – front; (1) – rear
Relays: Chassis / ECM / Fan / Fuel pump / EPS / Rear Diff
Circuit breaker: Fan motor: 20 amp
Fuses: Lights: 20 amp
ECM: 20 amp
Drive: 20 amp
EPS: 30 amp
Accessory: 20 amp
Fuel pump: 10 amp
Instrumentation: Dash mounted: digital gauge, speedometer, odometer, tachometer, tripmeter, hour meter, clock, gear indicator, fuel gauge, high temp / low-battery lights, DC outlets (2)

DRIVE TRAIN

Drive system: On demand true AWD / 2WD / 2WD VersaTrac Turf Mode (unlocks rear diff in 2WD for tighter turns without grass turf damage) or equivalent
Transmission type: Automatic PVT
Shift type: In line shift – H / L / N / R
Transmission Gear Ratio:
 High Front: 4.63:1 / Rear: 14.37:1
 Low Front: 7.70:1 / Rear: 23.91:1
 Reverse Front: 7.00:1 / Rear: 21.74:1
Front Gearcase
 Lubricant Requirements: Demand Drive Plus 9 oz. (265 ml)
Transmission
 Lubricant Requirements: AGL Plus 33.8 oz. (1000 ml)
Clutch type: Standard PVT
Clutch center distance: 10.05" (255 mm)

STEERING / SUSPENSION

Steering type:	Standard non-electronic power steering
Toe out:	1/8 in. – 1/4 in. (3.2 – 6.35 mm)
Front suspension:	Dual A-arm
Front travel:	9.6 in. (24.4 cm)
Rear suspension:	Independent (IRS)
Rear travel:	9 in. (22.9 cm)
Shock preload adjustment:	Cam adjustment

WHEELS / BRAKES

Front wheel size / Type:	12 x 6 / Steel
Rear wheel size / Type:	12 x 8 Steel
Front tire size:	26 x 9 R12
Front tire make / model:	Carlisle / PXT
Rear tire size:	26 x 11 R12
Rear tire make / model:	Carlisle / PXT
Tire air pressure:	Front: 12 psi (83 kPa); Rear: 16 psi (110 kPa)
Brake system type:	4 wheel hydraulic disc with dual-bore front calipers
Brake fluid type:	DOT 4
Parking brake:	Hand actuated (in dash)

ADDITIONAL REQUIRED

Crew steel tip-out glass windshield
Crew tip-out windshield electric wiper kit
Crew steel cab roof
Crew steel cab rear panel
Crew steel door kit with front sliding glass windows and rear fixed glass windows
Electric heater unit; under hood mounting with ducted outlets and defrost
Back up alarm
Auxiliary task lights: Front: 2 – L.E.D.; Rear: 2 – L.E.D.; with dash mounted on/off switch
Multi-mount, 4,500 lb. winch, capable of front or rear mounting, with handheld wired remote, 5/16" aircraft quality cable and integral hook with safety locking lever
Front receiver hitch for above winch
HD plow, 72" blade with wear bar, electric actuator for up/down control, lock and ride design for easy mounting/dismounting, manual angle adjustment with adjustable shoe
HD plow mount
HD steel powder coated rear bumper
HD front steel powder coated brush guard, wrap around style, tall design to protect hood and headlights, auxiliary light mounts for optional lights
HD front spring replacement kit (to compensate for the crew cab and/or plow weight on

the front end of vehicle; adds back approximately 1.5 in. of suspension height under weight)